Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	02/05/2019 10:29 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/02/2019 10:47 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123313	-2	2.52	123362	2.52
Blue	F	SSC	125000	122996	-2	4.23	123789	4.12
Blue	E	FITC	16694	16162	-4	4.10	377	22.27
Blue	D	PE	32792	32130	-3	3.35	708	16.23
Blue	B	PerCP-Cy5-5	44451	43996	-2	4.91	1208	22.88
Blue	A	PE-Cy7	33645	33866	0	7.28	613	47.98
Red	C	APC	47008	46338	-2	3.19	1795	13.48
Red	A	APC-Cy7	32298	31709	-2	3.06	791	14.14
Violet	B	V450	8961	8479	-6	5.00	468	14.79
Violet	A	V500	32726	31119	-5	4.72	749	11.72

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20041	4.75	607	-6	N/A	N/A	Pass
Blue	F	SSC	55617	3.75	577	9	N/A	N/A	Pass
Blue	E	FITC	61	75.94	564	1	0.0152	161	Pass
Blue	D	PE	141	57.74	568	2	0.1415	328	Pass
Blue	B	PerCP-Cy5-5	225	55.97	674	3	0.0075	72	Pass
Blue	A	PE-Cy7	119	120.46	730	4	0.0090	27	Pass
Red	C	APC	411	28.07	611	-2	0.0187	74	Pass
Red	A	APC-Cy7	194	31.51	583	-2	0.0045	866	Pass
Violet	B	V450	68	71.66	478	-8	0.0435	2273	Pass
Violet	A	V500	107	41.01	487	-9	0.0190	1208	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.56	-32.04	1.14
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.49
Red	17.20	13.60 - 20.40	N/A	N/A	29.15	29.67	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 13197

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments